

## GILA RIVER BASIN

09520200 BLACK GAP WASH NEAR AJO, AZ

LOCATION.--Lat 32°42'23", long 112°50'43", in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec.26, T.8 S., R.6 W., Maricopa County, Hydrologic Unit 15070202, at State Highway 85, 5.7 mi north of Midway, and 23 mi north of Ajo.

DRAINAGE AREA.--12.1 mi<sup>2</sup>.

### Annual peak discharges

Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes	Water year	Date	Annual peak discharge (ft <sup>3</sup> /s)	Discharge codes
1962	00-00-62	499		1971	09-30-71	735	
1963	08-06-63	280		1972	00-00-72	0	
1964	10-19-63	652		1973	00-00-73	0	
1965	08-00-65	770		1974	00-00-74	0	
1966	09-13-66	445		1975	09-08-75	200	
1967	07-14-67	837		1976	05-04-76	297	
1968	08-00-68	309		1977	09-11-77	578	
1969	08-14-69	525		1978	01-15-78	364	
1970	08-20-70	10	ES	1979	07-20-79	940	

Magnitude and probability of instantaneous peak flow based on period of record 1962-79

Discharge, in ft <sup>3</sup> /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25 4%	50† 2%	100† 1%
392	672	868	1,120	1,300	1,490
Weighted skew	(logs) =	-0.43			
Mean	(logs) =	2.57			
Standard dev.	(logs) =	0.30			

† Reliability of values in column is uncertain, and potential errors are large.

### Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
21.8	5.5	1,280	0.0	2.0	6.7	1.5	3.9

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09520200 BLACK GAP WASH NEAR AJO, AZ--Continued

